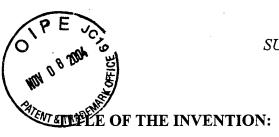
SUBSTITUTE SPECIFICATION



5 Nectarine Tree 'S 6817'

CROSS REFERENCE TO RELATED APPLICATIONS:

None

10 **PRIORITY CLAIM:**

This application claims priority of U.S. Provisional patent application Ser. No. 60/404,173 filed August 15, 2002.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR

15 **DEVELOPMENT:**

None

LATIN NAME OF THE GENUS AND SPECIES OF THE PLANT CLAIMED:

Prunus persica L. Batsch.

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VARIETY DENOMINATION:

'S 6817'

BACKGROUND OF THE INVENTION

The new nectarine tree 'S 6817' is the result of a controlled cross between 'Fantasia' (unpatented), seed parent, and an unnamed pollen parent. The cross was performed by the Institut

National de la Recherche Agronomique (INRA) at Angers, France, as part of a controlled breeding program. 'S 6817' was asexually propagated by budding at Angers, France, and has been observed to remain true to type over successive asexually propagated generations.

BRIEF SUMMARY OF THE INVENTION

'S 6817' was selected for its suitability as a commercial nectarine tree cultivar. Fruit of the 'S 6817' cultivar matures in late August in central Washington state. This variety is distinguishable over related variety 'S 6816' (U.S. Patent Application Ser. No. 10/642,442) by its later maturity date and larger and slightly astringent fruit.

15 BRIEF DESCRIPTION OF THE PHOTOGRAPHS:

- FIG. 1 shows a tree of the new cultivar;
- FIG. 2 shows branches and blossoms of the new cultivar;
- FIG. 3 shows a tree of the new cultivar;
- FIG. 4 shows fruit and leaves of the new cultivar; and
- FIG. 5 shows a sectioned fruit of the new cultivar.

DETAILED BOTANICAL DESCRIPTION OF THE VARIETY:

The following is a detailed botanical description of 'S 6817,' a new and distinct nectarine tree, based on observations made during the 2004 growing season, of specimens planted at Parker, Washington, USA, in 2001. The described trees were grown on 'Lovell' (not patented) rootstock. All colors are described according to the Royal Horticultural Society Color Chart. It should be understood that the botanical and analytical characteristics described will vary somewhat depending upon cultural practices and climatic conditions, and can vary with location and season. Quantified measurements are expressed as an average of measurements taken from a number of individual plants of the new variety. The measurements of any individual plant, or any group of plants, of the new variety may vary from the stated average.

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Tree

Type

Non-spur type

Vigor

Strong

Habit

Upright, spreading

15 Size

Width 3.2 m; height 1.9 m

Trunk

Diameter 23.8 cm at soil level; bark very rough; overcolor grey

201D; undercolor grey-orange 166DA; lenticels 0.4 to 0.6 cm,

yellow 159A

Flowering Branch

20 Size

Lateral branch diameter 2.6 cm, length 40.4 cm (previous season

growth); internode length 2.8 to 4.9 cm

Color

Greyed-red 178A

Anthocyanin coloration Present, medium intensity

Buds

Abundance of flower buds Many

Distribution of flower buds Generally in groups of two or more

5 Bud burst March 20 at Parker, Washington

Duration of flowering March 20 to April 7 at Parker, Washington

Bud size Length 0.8 to 0.9 cm

Bud shape Elongated with blunt tip, smooth

Bud color Red-purple 60A, tip pink 68B

10 Tolerance to cold Hardy

Flower

Type Showy

Calyx color (open flower before falling of petals) Orange

Petals Quantity 5; length 1.6 to 1.7 cm, width 1.2 to 1.4 cm; margins

ruffled, overlapping; shape rotund; color at tip pink 69C, at base

pink 70B

Flower size Diameter 3.9 to 4.0 cm

Fragrance Mild

Sepals Length 0.4 to 0.5 cm, width 0.3 to 0.4 cm; red-purple 60A

20 Reproductive organs Stamen white 155D, quantity 32, length 0.9 to 1.0 cm; anther

length 0.5 cm; filament 0.8 to 0.9 cm; pistil 1.1 to 1.2 cm, smooth,

yellow 1A

Pollen

Semi-abundant, yellow 1A

Leaves

Size

Large, length14.5 cm, width 3.0 cm

Ratio length/width

Medium

5 Leaf shape

Oblanceolate, upfolded, tip recurved downward, base nearly right

angle, equilateral, apex acuminate

Leaf margin

Serrulate

Leaf color

Upper surface green 147A; lower surface green 144A, anthocyanin

coloration absent

10 **Petiole**

Size

Length 1.0 cm, diameter 0.1 cm

Color

Green 149D

Glands

Present, usually more than 2, reniform

Fruit

15 Size

Medium, diameter 8.6 cm

Shape in profile view

Oblate, very flat

Shape of tip

Bowl shaped depressed

Symmetry when cut along suture

Asymmetric

Suture

Marked

20 Depth of petiole cavity

Shallow, 1.2 cm

Width of petiole cavity

Medium, 4.0 cm

Skin

Thin, smooth, tenacious; ground color yellow-orange 19A,

overcolor red 45A

Firmness of flesh

Firm, crisp

Flesh texture

Fine

Color

Yellow-orange 23C

5 Anthocyanin coloration directly under skin Absent

Anthocyanin coloration of the flesh

Absent

Anthocyanin coloration around the stone

Present, red 43A

Flavor

Sub-acid

Sugar content of flesh

Medium, 12.5° Brix

10 Stone

Size

Small in relation to fruit, diameter 26 mm

Shape

Flat, round, ridged

Color

Red, 53A

Likelihood of stone to split

Absent or very weak

15 Degree of adherence to flesh Medium, semi-freestone

Maturity

Time of maturity

Late, beginning August 27 at Parker, Washington; requires more

than one picking

Preharvest drop

Some occurrence

20 Heat and cold tolerance

Tolerant in area tested (USDA Zone 6)

Resistance to diseases and pests

None observed